

Title (en)

METHOD FOR PRODUCING AN AQUEOUS COMPOSITION COMPRISING A CONDENSATE BASED ON SILICON COMPOUNDS FOR PRODUCING ANTIREFLECTIVE COATINGS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER WÄSSRIGEN ZUSAMMENSTZUNG UMFASSEND EIN KONDENSAT AUF BASIS VON SILICIUM-VERBINDUNGEN ZUR HERSTELLUNG VON ANTIREFLEXIONSBSCHICHTUNGEN

Title (fr)

PROCÉDÉ DE PRODUCTION D'UNE COMPOSITION AQUEUSE COMPORTANT UN CONDENSAT À BASE DE COMPOSÉS DU SILICIUM POUR LA FABRICATION DE COUCHES ANTI-RÉFLÉCHISSANTES

Publication

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Application

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Abstract (en)

[origin: WO2014202181A1] The present invention relates to a method for producing an aqueous composition comprising a condensate based on silicon compounds, comprising the following steps: i) introducing at least one polymeric rheology control agent into water; ii) adding at least one acidic catalyst; iii) adding at least one silicon compound of general formula (I)  $R_nSiX_{4-n}$  in which the radicals X are the same or different and stand for hydrolysable groups or hydroxyl groups, the radicals R are the same or different and stand for non-hydrolysable groups, and n is 0, 1, 2, or 3; and iv) performing a hydrolysis reaction of at least part of the silicon compounds of general formula (I) added in step iii). The present invention further relates to a composition that can be obtained by means of the method according to the invention.

IPC 8 full level

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